



U.S. DEPARTMENT OF HEALTH  
AND HUMAN SERVICES  
Richard S. Schweiker, Secretary



PUBLIC HEALTH SERVICE  
Edward N. Brandt, Jr., MD, PhD  
Assistant Secretary for Health

PUBLIC HEALTH REPORTS  
(USPHS 324-990)  
ISSN 0090-2818

**Editorial Board**

Dr. C. Everett Koop, Surgeon General  
and Chairman  
Dr. George E. Hardy, Jr., CDC  
Dr. Robert S. Gordon, Jr., NIH  
Dr. Everett Rhoades, HRSA  
Dr. Robert Graham, HRSA  
Dr. Stuart Nightingale, FDA  
Dr. Harold A. Pincus, ADAMHA

Marian Priest Tebben, *Editor*  
Esther C. Gould, *Assistant Executive  
Editor*  
Virginia M. Larson, *Managing Editor*  
Frank Harding, *Art Director*  
Sandra Rogers, *Art Production*

Opinions expressed are the authors' and do not necessarily reflect the views of *Public Health Reports* or the Public Health Service. Trade names are used for identification only and do not represent an endorsement by the Service.

**Address correspondence to:**

Editor, *Public Health Reports*  
Room 814, Reporters Building  
300 Seventh St. SW  
Washington, D.C. 20201  
AC 202: 426-5146

**Subscription Information**

*Public Health Reports* is for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C., 20402. All correspondence about paid subscriptions (for example, change of address or failure to receive an issue) should also be addressed to the Superintendent of Documents.

**NEW SUBSCRIPTION POLICY  
IN EFFECT**

Because of increased costs for publishing and the reductions in Federal spending, *Public Health Reports* no longer can be provided free of charge to many persons, organizations, and agencies that received complimentary copies in the past.

Please use the subscription form on the last page and send it along with your payment to the Superintendent of Documents.

**Programs, Practices, People**

- 589 PHS steps up activities and increases grant support to combat acquired immune deficiency syndrome
- 590 Public Health Service and Kuwait sign cooperative agreements □ *Gerald A. Faich* and *Howard Lerner*
- 590 Surgeon General Koop urges physicians to warn patients of marijuana's harm
- 591 Two leprosy antigens isolated at Colorado State
- 591 Expenditures for health care estimated to be 9.8 percent of 1981 gross national product
- 592 Improved procedures for estimating allied health manpower supply and demand
- 592 Alcohol publication on tailoring treatment to client needs
- 593 Diagnostic aid detects latent heart disease before symptoms appear □ *Jan S. Ehrman*
- 593 DHHS begins public awareness campaign on Reye's syndrome
- 594 NIMH offers geriatric mental health academic awards to medical or nursing schools □ *Kate Callen*
- 594 Staff, bureau heads named for HRSA, new PHS agency
- 595 Study finds bright light lifts winter depression □ *Jules Asher*
- 595 Training program to help Illinois school nurses detect spinal abnormalities
- 596 Publications
- 598 Education notes
- 600 1982 Index



Cover: Helping to promote the Healthy Mothers, Healthy Babies campaign are the posters which appear on the front cover and the inside back cover of this issue of *Public Health Reports*. The posters, with messages in English or Spanish, are being distributed to neighborhood health centers and other facilities that provide health care for low-income women. On page 509 is an order blank for the series of six posters. The lead article in this issue describes the 50-member public-private coalition of organizations that is working to lower infant mortality and improve maternal and infant health.

sons who experience winter depression—represent a distinct subgroup.

An assay a few years ago for the light-sensitive pineal gland hormone melatonin—developed at NIMH by Dr. Alfred Lewy and Dr. Sanford Markey—revealed that secretion of this hormone in human beings can be suppressed by artificial light of near-daylight intensity, but not by conventional artificial light (which can suppress the hormone's secretion in animals).

Animal studies have shown that melatonin has a circadian (daily) rhy-

thm regulated by light; the longer darkness lasts, the more the hormone is secreted. Moreover, the effect of light on melatonin also is the basis of seasonal rhythms such as reproduction, migration, and hibernation in animals. Melatonin can override the effect of light and mimic seasonal changes in animals' reproductive activity.

Rosenthal and Wehr found a striking difference in the annual reproductive cycle of persons who were winter depressives as compared with the normal population. In a sample of several hun-

dred winter depressives, more than twice as many conceptions occurred in August as in January—a 100 percent difference. In a normal population, the disparity is only about 10 percent.

Although Wehr suspects that melatonin secretion will turn out to be suppressed by the bright light treatment, examination of possible biochemical mechanisms can begin only after the researchers establish the role of the photoperiod more precisely.

—JULES ASHER, *National Institute of Mental Health*

---

# publications

## FEDERAL

**U.S. Government Printing Office, Superintendent of Documents, Washington, D.C. 20402.** Orders should be accompanied by check or money order and should be identified by title and GPO stock No.

MFT's and Wiener Spectra of Radiographic Screen-Film Systems. *DHHS Publication No. (FDA 82-8187)*. \$5.50. GPO Stock No. 017-015-00205-5.

Changes in Mortality Among the Elderly: United States, 1940-78. *Vital and Health Statistics, Series No. 3, No. 22*. *DHHS Publication No. (PHS) 82-1406*. \$3.25. GPO Stock No. 017-022-00783-5.

Current Estimates from the National Health Interview Survey, United States, 1980. *Vital and Health Statistics, Series No. 10, No. 139*. *DHHS Publication No. (PHS) 82-1567*. GPO Stock No. 017-022-00770-3.

---

**NIMH Public Inquiries, Rm. 11A-21, 5600 Fishers Lane, Rockville, Md. 20857** (single copies only)

A Special Report on Depression Research. *DHHS Publication No. (ADM) 81-1085*.

A Network for Caring: The Community Support Program of the National

Institute of Mental Health. *DHHS Publication No. (ADM) 81-1063*.

Consultation Liaison Psychiatry: Evaluating Its Effectiveness. *DHHS Publication No. (ADM) 82-1134*.

---

Arteriosclerosis 1981: Report of the Working Group on Arteriosclerosis of the National Heart, Lung, and Blood Institute. (single copies only). *Public Inquiries and Reports Branch, Box AT, NHLBI, Building 31, Rm. 4A21, Bethesda, Md. 20205*.

The Impact of Foreign-Trained Doctors on the Supply of Physicians. *DHHS Publication No. DHPA Report No. 11-82, July 1982*. *Health Resources Administration, Bureau of Health Professions, 3700 East-West Highway, Hyattsville, Md. 20782*.

## NON-FEDERAL

**Public Affairs Committee, Inc., 381 Park Ave., South, New York, N.Y. 10016**

Listen to Your Body: Exercise and Physical Fitness. *By Irving R. Dickman, December 1981, Public Affairs Pamphlet No. 599, 28 pages; 50 cents*.

Low Back Pain—What It Is, What Can Be Done. *By Irving Block, March 1982, Public Affairs Pamphlet No. 601, 28 pages; 50 cents*.

The Unseen Alcoholics—The Elderly. *By Donna Buys and Jules Saltman, April 1982, Public Affairs Pamphlet No. 602, 24 pages; 50 cents*.

Family Neglect and Abuse of the Aged: A Growing Concern. *By Harry Milt, May 1982, Public Affairs Pamphlet No. 603, 28 pages; 50 cents*.

Women and Abuse of Prescription Drugs. *By Myron Brenton, July 1982, Public Affairs Pamphlet No. 604, 28 pages; 50 cents*.

---

A Study of the NLN Accreditation Program, 1982, 150 pages; \$25. *Publication No. 19-1885; Publications Unit, National League for Nursing, 10 Columbus Circle, New York, N.Y. 10019*.

A Promise Kept. *By Dale Young, 173 pages; \$7.50. Department of Health and Hospitals, City of Boston, Administration Bldg., Rm. 403, 818 Harrison Ave., Boston, Mass. 02118*.

Hypothermia: Causes, Effects, Prevention. *By Robert S. Pozos and David O. Born, 1982; 173 pages; \$14.95 cloth, (ISBN 0-8329-0127-X). New Century Publishers, Inc., 275 Old New Brunswick Road, Piscataway, N.J. 98854*.

Health Care Policy: A Political Economy Approach. *By Theodore Marmor and Jon B. Christianson, 1982, 232 pages; \$22.50 hardcover, (ISBN 0-*

8039-1826-7), \$10.50 soft cover, (ISBN 0-8039-1827-5). Sage Publications, Inc., 275 South Beverly Drive, Beverly Hills, Calif. 90212.

Helping People to Help Themselves: Self-Help and Prevention. Edited by Leonard D. Borman, Leslie E. Borck, Robert Hess, and Frank L. Pasquale, 1982, 141 pages; \$20. (ISBN 0-917724-67-4). The Haworth Press, Inc., 22 East 22nd St., New York, N.Y. 10010.

Bibliographic Index of Health Education Periodicals. By William J. Bailey and Stephen J. Gynn. 1982; 406 pages, cloth/casebound, \$75. Vol. 1, (ISBN 0-941636-00-3). Department of Health and Safety Education, HPER Building, Rm. 116, Indiana University, Bloomington, Ind. 47405.

---

Research and Statistics Office, State Department of Health, P.O. Box 3378, Honolulu, Hawaii 96801.

Death in Paradise: Big Island Mortality, 1910-1950. By Richard K. Fleischman. June 1982; 16 pages.

Dental Survey Utilization Study: State of Hawaii. By Neil Oyama. July 1982; 46 pages.

---

Health Research and Educational Trust of New Jersey, P.O. Box 267, Rocky Hill, N.J. 08553. \$4.50 per copy except as noted. Full payment plus 75 cents for mail handling must accompany orders.

The Shortage of Nurses in New Jersey: Causes and Remedies  
The Future of Geriatric Health Care  
The Hospital's Role in Community Health Education  
Competition and the Hospital Industry: The Promise Vs The Risks  
Marketing and Hospitals, \$5.

---

Pharmaceuticals and Developing Countries: A Dialogue for Constructive Action. 1982, 50 pages; \$6.50. National Council for International Health, 2121 Virginia Ave., N.W., Suite 303, Washington, D.C. 20037.

Delivery and Payment of Hospice Service: Investigative Study. 1982, 163 pages; \$7.50. International Study and/or Hospice Services: An Investigative Study, Blue Cross and Blue Shield Associations, 676 N. St. Clair Street, Chicago, Ill. 60611.

Primary Health Care Bibliography and Resource Directory. 1982, 67 pages. Single copies free. (ISBN 0-87553-

105-9). American Public Health Association, International Health Programs, 1015 15th St., N.W., Washington, D.C. 20005.

---

Institute for Health Planning, 702 North Blackhawk Ave., Madison, Wis. 53705. Hospital Use. By Carol V. Getts. June 1982, 22 pages; \$3.50.

Financial Positioning for Survival. By Carol V. Getts. July 1982, 62 pages; \$6.

Linking Health Planning and Block Grants. By Greta Magill. July 1982, 26 pages; \$3.

Improving Operations Management: Lessons from Multihospital Systems. By Andrew J. Hogan. July 1982, 44 pages; \$3.50.

Planning for the Chronically Ill and Physically Handicapped. By Milton Gan, July 1982, 39 pages; \$3.50.

Understanding Data Concepts: A Guide for Health Planning Volunteers. By Kirk T. Phillips, July 1982, 41 pages; \$3.50.

State Health Care Cost Containment: A Review of Strategies. By Laura C. Ronan. July 1982, 59 pages; \$4.50.

Estimating Hospital Capital Requirements from Capital Expenditure Plans. By Andrew J. Hogan. July 1982, 25 pages; \$3.

Prospective Rate Review. By Barbara W. Greenman. July 1982, 28 pages; \$3.

Survival Strategies for Rural Hospitals. By Barbara W. Greenman. July 1982, 26 pages; \$3.

Health Planning Agency Involvement in Institutional Strategic Planning. By Larry Hartke. July 1982, 23 pages; \$3.

Volunteer Staffing for Community Health Planning. By Barbara W. Greenman. July 1982, 59 pages; \$4.50.

Computer Applications in Health Planning. By John D. Chapin and Carol V. Getts. July 1982, 44 pages; \$3.50.

Analysis of Variance. By Carol V. Getts. July 1982, 14 pages; \$3.

A Guide to Community Health Planning. By Jane Thomas and Thomas A. DeChant. July 1982, 201 pages; \$6.50.

---

Handbook of Nonprescription Drugs. August 1982. 682 pages; \$30 for non-member (\$20 for American Pharmaceutical Association members). (ISBN 0-917330-40-4). American Pharmaceutical Association, 2215 Constitution Ave., N.W., Washington, D.C. 20037.

The 1982-83 Chartbook of Federal Programs in Aging. By Irma Schechter

and William Oriol. July 1982; \$29. Care Reports, Inc., 4715 Cordell Ave., Bethesda, Md. 20814.

Health Groups in Washington: A Directory. 1982, 49 pages; \$4. (discount when ordering 5 or more copies). National Health Council, 70 West 40th St., New York, N.Y. 10018.

Addictive Drinking: The Road to Recovery for Problem Drinkers and Those Who Love Them. By Clark Vaughan. August 1982, \$14.95. The Viking Press, 625 Madison Ave., New York, N.Y. 10022.

Entering Stargate: An Operating Manual for Prevention Programming on Spaceship Earth [concerning alcoholism]. By Bonnie Orr. 100 pages; Texas residents \$4.15 including tax, non-Texas residents \$4.50. Orders must be accompanied by check or money order. Texas Commission on Alcoholism, 8th Floor, Sam Houston Building, Austin, Tex. 78701.

Developing Programs to Control and Prevent Diabetes. 1980. 122 pages; \$8.35 including tax. Office of Publications, LBJ School of Public Affairs, University of Texas at Austin, Drawer Y, University Station, Austin, Tex. 78712.

Psychiatric Music Therapy—Origins and Development. By Florence Tyson. 1981. paperback 80 pages; \$9.95, hardcover \$19.95. Creative Arts Rehabilitation Center, Inc., 251 W. 51st St., New York, N.Y. 10019.

Public Education About Cancer—Recent Research and Current Programs. Edited by P. Hobbs, Vol. 67. 1982, 104 pages; 20 Swiss francs, U.S. \$10 (ISBN 92-9018-067-6). Hans Huber Publishers, Langgassstrasse 76, 3000 Bern 9—Switzerland (available in English only).

---

Pan American Health Organization, Pan American Sanitary Bureau, Regional Office of the World Health Organization, 525 23rd St., N.W., Washington, D.C. 20037.

Emergency Vector Control after Natural Disaster. 1982, 98 pages; \$6, Scientific Publication No. 419.

Sanitary Control of Food. 1982, 51 pages; \$3. Scientific Publication No. 421.

---

Family Size Preferences: Evidence from the World Fertility Surveys. By Mary Mederios Kent and Ann Larson. April 1982, 44 pages; Single copies free, \$1 handling and postage charge for mail orders. Population Reference Bureau, Circulation Department, 1337 Connec-

ticut Ave., N.W., Washington, D.C. 20036.

# education notes

**World Health Organization (WHO),**  
Publications Centre, U.S.A., 49 Sheridan Ave., Albany, N.Y. 12210.

Quality Assurance of Health Services.  
By Hannu V. Vuori. 1982, 127 pages;  
11 Swiss francs (ISBN 92 890 1152 1)

Surveillance of Acute Viral Respiratory  
Infections in Europe. *EURO Reports  
and Studies No. 47*, 1981, 65 pages;  
5 Swiss francs (ISBN 92 890 1213 7).

Prevention of Coronary Heart Disease.  
*WHO Technical Report Series No. 678*.  
1982, 53 pages; 5 Swiss francs (ISBN  
92 4 120678 0).

Environmental Health Criteria 19: Hy-  
drogen Sulfide. 1981, 48 pages; 6 Swiss  
francs (ISBN 92 4 154079 6).

Environmental Health Criteria 17:  
Manganese. 1981, 110 pages; 6 Swiss  
francs (ISBN 92 4 154077 X).

Manual on Environmental Management  
for Mosquito Control, with special em-  
phasis on malaria vectors. 1982, (*WHO  
Offset Publication No. 66*). 283 pages;  
22 Swiss francs (ISBN 92 4 170066 1).  
(*French edition in preparation*).

**Family practice symposium.** The Medi-  
cal College of Georgia will sponsor the  
Eighteenth Annual Family Practice  
Symposium to be held in Augusta. The  
symposium is scheduled for February  
21-26, 1983, and will be repeated May  
2-7, 1983. The program is designed to  
present a broad spectrum of material  
important to physicians in family prac-  
tice and other specialties that provide a  
substantial amount of primary care; the

major emphasis will be on differential  
diagnosis and current management. This  
course is approved for 50 hours of Con-  
tinuing Medical Education credit. The  
registration fee is \$75 per day or \$350  
for the entire course.

For further information, contact the  
Division of Continuing Education, Medi-  
cal College of Georgia, Augusta, Ga.  
30912, telephone 404: 828-3967.

**FREE POSTERS  
AND HEALTH CARDS**

*Yes,* we would like to receive, without charge, the posters and information  
cards in your "Healthy Mothers" program. Please send us the following quantities every  
other month (each on a different subject) during the coming year.

POSTERS (*check one*)

English

Spanish

Both

INFORMATION CARDS

English  
 50  100

Spanish  
 50  100

I certify that my clinic/organization currently serves pregnant women.

NAME \_\_\_\_\_ TITLE \_\_\_\_\_

CLINIC \_\_\_\_\_

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_

Return this coupon to: Healthy Mothers Posters  
U.S. Public Health Service  
721-H Humphrey Building  
200 Independence Ave., S.W.  
Washington, D.C. 20201



healthy mothers, healthy babies

**The Air Pollution Training Institute.** The Air Pollution Training Institute (APTI), with its associated programs, offers the widest scope of air pollution training in the United States. Funded by the U.S. Environmental Protection Agency, APTI prepares instructional material and provides technical assistance for training activities conducted in support of the nation's regulatory programs of air pollution abatement.

EPA-sponsored lecture and laboratory courses in which APTI materials are used are scheduled at several locations across the country. Self-instructional courses providing an opportunity for individual training at home or at the place of employment are obtainable from APTI. Training material is continually updated, and individual courses undergo periodic major revision.

Associated with the APTI in the conduct of air pollution training are six universities which, with financial support from EPA, serve as Area Training Centers (ATCs). The ATC role is dual: the Centers provide EPA-financed student support for graduate training in air pollution control science and technology, and they provide EPA-sponsored intensive instruction (short courses) in the same subject area. Following is a chronological schedule of the courses being offered from December 1982 through September 1983.

Information on fees, registration, faculty, and so forth, are contained in a bulletin, "Chronological Schedule of Air Pollution Training Courses, October 1982 through September 1983." To obtain the bulletin and further information, contact Registrar, Air Pollution Training Institute, U.S. Environmental Protection Agency, MD—20 Research Triangle Park, N.C. 27711.

### Chronological schedule of Air Pollution Training Institute Courses, December 1982–September 1983

| <i>Dates</i>     | <i>Course No. and title<sup>1</sup></i>                    | <i>Days</i> | <i>Location</i>     | <i>ATC<sup>2</sup></i> |
|------------------|--|-------------|---------------------|------------------------|
| <i>1982</i>      |  |             |                     |                        |
| <i>December</i>  |  |             |                     |                        |
| 6–10             | 427 Combustion Evaluation                                  | 4½          | Cincinnati, Ohio    | 3                      |
| 13–17            | 411 Air Pollution Dispersion Models—Fundamental Concepts   | 4½          | Davis, Calif.       | 6                      |
| <i>1983</i>      |  |             |                     |                        |
| <i>January</i>   |  |             |                     |                        |
| 10–14            | L450 Source Sampling for Particulate Pollutants            | 4½          | New Brunswick, N.J. | 1                      |
| 17–20            | 413 Control of Particulate Emissions                       | 4           | Gainesville, Fla.   | 2                      |
| <i>February</i>  |  |             |                     |                        |
| 21–24            | 415 Control of Gaseous Emissions                           | 4           | Gainesville, Fla.   | 2                      |
| <i>March</i>     |  |             |                     |                        |
| 7–10             | 415 Control of Gaseous Emissions                           | 4           | Seattle, Wash.      | 5                      |
| 14–18            | 427 Combustion Evaluation                                  | 4½          | Davis, Calif.       | 6                      |
| 14–18            | L450 Source Sampling for Particulate Pollutants            | 4½          | Dallas, Tex.        | ( <sup>3</sup> )       |
| 21–24            | 482 Sources and Control of Volatile Organic Air Pollutants | 4           | Cincinnati, Ohio    | 3                      |
| <i>April</i>     |  |             |                     |                        |
| 11–14            | L468 Source Sampling and Analysis of Gaseous Pollutants    | 4           | Seattle, Wash.      | 5                      |
| <i>May</i>       |  |             |                     |                        |
| 2–6              | 423 Air Pollution Dispersion Models—Applications           | 4½          | Gainesville, Fla.   | 2                      |
| 17–20            | 415 Control of Gaseous Emissions                           | 4           | Dallas, Tex.        | ( <sup>3</sup> )       |
| <i>June</i>      |  |             |                     |                        |
| 6–9              | 444 Air Pollution Field Enforcement                        | 3½          | Cincinnati, Ohio    | 3                      |
| 7–10             | 474 Continuous Emission Monitoring                         | 4           | Chicago, Ill.       | 4                      |
| 13–17            | L464 Analytical Methods for Air Quality Standards          | 5           | New Brunswick, N.J. | 1                      |
| <i>July</i>      |  |             |                     |                        |
| 11–15            | L435 Atmospheric Sampling                                  | 4½          | Davis, Calif.       | 6                      |
| 11–15            | L450 Source Sampling for Particulate Pollutants            | 4½          | Chicago, Ill.       | 4                      |
| 18–21            | 413 Control of Particulate Emissions                       | 4           | New Brunswick, N.J. | 1                      |
| <i>August</i>    |  |             |                     |                        |
| 9–13             | 411 Air Pollution Dispersion Models—Fundamental Concepts   | 4½          | Chicago, Ill.       | 4                      |
| 15–19            | 423 Air Pollution Dispersion Models—Applications           | 4½          | Chicago, Ill.       | 4                      |
| 22–25            | 482 Sources and Control of Volatile Organic Air Pollutants | 4           | New Brunswick, N.J. | 1                      |
| <i>September</i> |  |             |                     |                        |
| 12–15            | 452 Principles and Practice of Air Pollution Control       | 3½          | Davis, Calif.       | 6                      |
| 19–23            | L450 Source Sampling for Particulate Pollutants            | 4½          | Seattle, Wash.      | 5                      |

<sup>1</sup> The letter L before the number indicates a laboratory course.

<sup>2</sup> ATC numbers in the far right column indicate courses conducted by Area Training Centers under EPA grant and identify the institutions conducting them, which are as follows:

1. Rutgers University, New Brunswick, N.J.
2. University of Florida, Gainesville, Fla.
3. University of Cincinnati, Cincinnati, Ohio
4. Illinois Institute of Technology, Chicago, Ill.
5. University of Washington, Seattle, Wash.
6. University of California, Davis, Calif.

<sup>3</sup> Adjunct facility.

## 1982 Subject and Author Index

| <i>Pages</i>  | <i>Month of Issue</i>   | <i>No.</i> |
|---------------|-------------------------|------------|
| 1-96 .....    | January-February .....  | 1          |
| 97-192 .....  | March-April .....       | 2          |
| 193-292 ..... | May-June .....          | 3          |
| 293-396 ..... | July-August .....       | 4          |
| 397-500 ..... | September-October ..... | 5          |
| 501-612 ..... | November-December ..... | 6          |

### **Key to Classification of Subject Index**

- (\*) Original, signed article
- (CR) Conference report
- (FA) Film announcement
- (LN) Legal note
- (PR) Publication review
- (SR) Short report

---

This index to PUBLIC HEALTH REPORTS is divided into a subject index and an author index. The subject index carries one or more entries for each item published. In addition to the subject headings, categorical headings include ANNOUNCEMENTS, AGENCIES and ORGANIZATIONS, CONFERENCES; AWARDS, CONTRACTS, GRANTS; BIBLIOGRAPHIES; CONFERENCE REPORTS; EDITORIALS; EDUCATION NOTES; FILMS; LAWS and REGULATIONS; LEGAL NOTES; and PUBLICATION REVIEWS.

---

# SUBJECT INDEX

## ACQUIRED IMMUNE DEFICIENCY SYNDROME

Public Health Service agencies to step up activities to combat (SR) . . . . . 589

## AGED AND AGING

access to health services varies according to race (PR) . . . . . 178  
geriatric mental health research awards given to medical or nursing schools by National Institute of Mental Health (SR) . . . . . 594

## AGENT ORANGE

Veterans Administration literature search review issued (PR) . . . . . 179

## ALCOHOL ABUSE *see* Substance Abuse

## ANNOUNCEMENTS, AGENCIES AND ORGANIZATIONS

American College of Epidemiology holds first meeting . . . . . 386  
American Public Health Association's Dental Health Section calls for abstracts of papers for 1982 meeting . . . . . 86  
American Public Health Association's Epidemiologic Exchange . . . . . 389  
Bureau of Radiological Health's Division of Biological Effects reorganized . . . . . 393  
Center for Health Promotion and Education seeks to share health education resources . . . . . 287  
Education and Information Clearinghouse established by National Institute of Arthritis, Diabetes, and Digestive and Kidney Diseases . . . . . 87  
International Society for Heart Transplantation publishes bulletin . . . . . 178  
National Cancer Institute's Division of Cancer Cause and Prevention creates four new laboratories . . . . . 284  
National Institute of Environmental Health Sciences reorganizes to include more toxicological testing . . . . . 91  
National League for Nursing calls for papers for 1983 biennial convention . . . . . 389  
staff Bureau heads named for Health Resources and Services Administration (HRSA), new Public Health Service agency . . . . . 594  
Warren Grant Magnuson Clinical Center and its wing, the Ambulatory Care Research Facility, dedicated at National Institutes of Health . . . . . 180

## ANNOUNCEMENTS, CONFERENCES

Association for the Care of Children's Health . . . . . 90  
physician maldistribution, national meeting . . . . . 384  
Second National Conference on Sexual Victimization of Children . . . . . 87  
Society for Clinical Trials . . . . . 489

## ASBESTOS

in Colorado schools . . . . . \*325

## AWARDS, CONTRACTS, GRANTS

Bureau of Health Professions, Health Resources Administration, awards contract to American Public Health Association to design data base for public health personnel . . . . . 89  
Health Education-Risk Reduction Grants Program of the Public Health Service, multiplier effect in 28 States and 1 Territory . . . . . \*510  
National Institute of Mental Health offers geriatric mental health academic awards to medical or nursing schools . . . . . 594  
Office of Graduate Medical Education, Health Resources Administration, awards contract to Battelle Human Affairs Research Centers to draw up manpower requirements for six medical specialties . . . . . 91  
research grants from National Center for Health Services Research . . . . . 84  
Robert Wood Johnson Foundation grants for projects to consolidate and target medical services for high-risk teenagers and young adults . . . . . 387

## BIBLIOGRAPHIES

National Library of Medicine . . . . . 286

## BIRTH RATES *see* Vital Statistics

## CANCER

as a consequence of smoking; overview of a report of the Surgeon General . . . . . \*318  
chimpanzee antibodies are potential new weapon against human cancer (SR) . . . . . 182  
early detection of malignant melanoma aided by educational videocassettes (FA) . . . . . 179  
incidence and mortality, United States, 1973-77 (PR) . . . . . 283  
telephone information services in Ohio; callers, inquiries, and responses . . . . . \*150

## CARBON MONOXIDE

high levels found in U.S. smokers; estimated data from the National Health and Nutrition Examination Survey, 1976-80 (SR) . . . . . 385

## CESAREAN SECTION

used for one-sixth of 1980 births (SR) . . . . . 183

## CHECKERBOARD AREA HEALTH SYSTEM *see* Health Planning

## CHEMICALS

herbicides, including penoxy herbicides and associated dioxins, review of literature (PR) . . . . . 179  
WHO chemical safety unit now hosted by National Institute of Environmental Health Sciences (SR) . . . . . 392

## CHILD HEALTH AND WELFARE

acute rheumatic fever and rheumatic heart disease among Navajo school children; cost benefit of streptococcal surveillance program . . . . . \*73

|   |      |
|---|------|
| childhood hyperactivity and defined diets require further research (SR) .....   | 283  |
| chronic childhood illness, feasibility of a noncategorical approach in evaluating a home care program .....   | *354 |
| Department of Health and Human Services begins public awareness campaign on Reye's syndrome (SR) .....  | 593  |
| developmental morbidity in infants in multi-risk-factor families; clinical perspectives .....   | *16  |
| factors affecting streptococcal colonization among children in selected areas of Alaska .....   | *460 |
| health status of U.S. children and the use of medical care .....  | *3   |
| infant morbidity; parents and prevention (January-February cover 2)   |      |
| mother-initiated medication behavior for children; effects of sociodemographic and attitudinal factors .....  | *140 |
| nutrition services for handicapped children .....   | *483 |
| observable effects of foster grandparents on hospitalized children; an evaluation .....   | *550 |
| television violence linked to aggressive behavior (PR) .....  | 492  |
| <b>CHIMPANZEES</b>  |      |
| antibodies are potential new weapon against human cancer (SR) .....   | 182  |
| <b>COMPUTER TECHNIQUES</b>  |      |
| three-dimensional computer mapping of disease, Los Angeles County .....   | *470 |
| <b>CONFERENCE REPORTS</b>   |      |
| Forum on the Public Health Work Force .....   | *528 |
| summary of national symposium on the role of undergraduate medical education in prevention and medical practice and discussion of future directions ..... | *241 |
| <b>CONSUMER BEHAVIOR</b>  |      |
| effect of knowledge, attitudes, and behaviors on use of rural health clinics .....  | *261 |
| <b>CONTRACEPTIVE SERVICES</b>   |      |
| study of importance of age, sex, and ethnicity of counselors and providers at Young Adult Clinic, Columbia-Presbyterian Medical Center .....              | *165 |
| <b>COOPERATIVE HEALTH STATISTICS SYSTEM</b>   |      |
| physician data, use in assessment of small area manpower needs, rural Colorado .....  | *78  |
| <b>CORONARY DISEASE</b>   |      |
| <i>see also</i> Diagnostic Tools  |      |
| bypass surgery patients, relation of socioeconomic and psychological factors to resumption of employment .....  | *558 |
| diagnostic aid detects latent disease before symptoms appear (SR) .....   | 593  |
| <b>COST CONTAINMENT <i>see</i> Economics, Health</b>  |      |

|   |      |
|---|------|
| <b>DAY CARE</b>   |      |
| for preschoolers; attitudes of mothers toward government regulation of providers .....  | *572 |
| <b>DENTAL HEALTH</b>  |      |
| survey finds fewer caries among U.S. school-age children (PR) .....   | 384  |
| <b>DIABETES</b>   |      |
| major prevention initiative to begin (SR) .....   | 382  |
| recommendations for maintaining research, health care, education, and control programs, National Diabetes Advisory Board (PR) .....   | 486  |
| <b>DIAGNOSTIC TOOLS</b>   |      |
| thallium scanning and electrocardiogram monitoring used to detect coronary artery disease before symptoms appear (SR) .....           | 593  |
| <b>DRUG ABUSE <i>see</i> Substance Abuse</b>  |      |
| <b>DRUGS</b>  |      |
| determinants of treatment maintenance for hypertensives, inner city Detroit .....   | *99  |
| prescribed, 1980 data from National Ambulatory Medical Care Survey (SR) .....   | 287  |
| psychotropic, use related to family structure and stress (PR) .....   | 184  |
| 27 totally new ones approved by Food and Drug Administration in 1981 (SR) .....   | 286  |
| varicella zoster immune globulin (VZIG), update on supply (SR) .....  | 391  |
| <b>ECONOMICS, HEALTH</b>  |      |
| content of adult primary care episodes .....  | *48  |
| cost benefit of a school-based streptococcal surveillance program among Navajo Indians .....  | *73  |
| cost of illness; deficiencies in studies revealed in review funded by National Center for Health Services Research (PR) .....         | 184  |
| cost-of-illness estimates; National Center for Health Services Research-funded study to refine (SR) ..                                | 92   |
| expenditures for health care estimated to be 9.8 percent of 1981 gross national product (PR) ..                                       | 591  |
| financial planning model used to estimate debt capacity for major improvements at Stanford University Hospital .....                  | *363 |
| Health Care Cost Containment; slide tape (FA) ..  | 91   |
| Health Education-Risk Reduction Grants Program of the Public Health Service; multiplier effect in 28 States and 1 Territory .....     | *510 |
| influence of corporations on health care costs (PR) ..  | 92   |
| loan guarantees offered for primary care satellites in medically underserved areas, Robert Wood Johnson Foundation (SR) .....         | 85   |
| medical care use and expenditure survey, 1980; preliminary data (SR) .....  | 285  |
| method for combining morbidity, mortality, and direct medical cost into single measure of disease impact; Minnesota study, 1978 ..... | *38  |

|   |      |
|---|------|
| nursing home costs in Florida, determinants of; policy implications and support in national research findings ..... | *537 |
| tax expenditures and health insurance; limiting employer-paid premiums .....  | *438 |

**EDITORIALS**

|   |  |
|---|--|
| Achievements and Challenges in Hypertension Control (March-April cover 2)                       |  |
| A National Health Promotion Strategy (September-October cover 2)                                |  |
| Campaign to Prevent the Abuse of Alcohol (July-August cover 2)                                  |  |
| Parents and Prevention of Infant Morbidity (January-February cover 2)                           |  |
| Prevention and Medical Education (May-June cover 2)   |  |
| The Importance of Promoting Healthful Behavior Among Pregnant Women (November-December cover 2) |  |

**EDUCATION NOTES**

|   |     |
|---|-----|
| courses for professionals in occupational safety and health .....                 | 289 |
| courses for professionals responsible for occupational health and safety .....    | 94  |
| ear, nose, and throat program for primary care practitioners .....                | 495 |
| family practice symposium .....   | 93  |
| Frontiers of Medicine: Implications for the Future; international symposium ..... | 393 |
| graduate program in health services administration ..                             | 93  |
| graduate programs in public health .....  | 189 |
| graduate summer session in epidemiology .....                                     | 188 |
| Health Executive Development Program .....  | 188 |
| national symposium on nurse-managed centers .....                                 | 189 |
| new PhD program in health services organization and research .....                | 189 |
| occupational and environmental health activities...                               | 94  |
| pulmonary function testing .....  | 393 |
| Spectrum of Development Disabilities: Birth Through Infancy .....                 | 93  |
| training courses of the Centers for Disease Control..                             | 495 |
| weekend MBA in health management .....  | 289 |

**EMERGENCY ROOMS**

|  |      |
|--|------|
| use patterns, hospital location as a determinant of .. | *445 |
|--|------|

**ENTEROVIRAL DISEASE** *see* Epidemiologic Studies

**EPIDEMIOLOGIC STUDIES**

|   |      |
|---|------|
| acquired immune deficiency syndrome, Public Health Service to step up activities to combat (SR) .....                 | 589  |
| echovirus 11 infections of newborns with mortality during 1979 enterovirus season in Milwaukee, Wis. ....             | *346 |
| increase in <i>Mycobacterium avium</i> complex isolations among patients in general hospital, southern Illinois ..... | *61  |

|   |      |
|---|------|
| influenza epidemic of 1978 on a college campus; infectious disease in a total institution, Pennsylvania ..... | *66  |
| outbreak of foodborne illness in Illinois nursing home linked to excessive niacin in enriched cornmeal .....  | *258 |
| outbreak of influenza B at Indiana boarding school; estimate of vaccine efficacy .....                        | *269 |
| South Carolina's suicide mortality in the 1970s ....  | *476 |

**EPIDEMIOLOGY**

|  |      |
|--|------|
| in relation to development of health policy .....  | *399 |
| three-dimensional computer mapping for displaying spatial data on disease frequency used in Los Angeles County ..... | *470 |
| training offered by the Public Health Service (SR) ..  | 392  |

**ESCHERICHIA COLI**

|  |     |
|--|-----|
| newly isolated, atypical strain, <i>Escherichia hermannii</i> , named after Public Health Service scientists, Dr. Lloyd G. Herman and Dr. George J. Hermann (SR) ..... | 494 |
|--|-----|

**ETHNIC GROUPS**

|  |     |
|--|-----|
| black Americans targeted for Trilateral High Blood Pressure and Control Project (SR) .....                               | 386 |
| black and Hispanic personnel in selected health professions, 1980-2000 (PR) .....  | 488 |
| blacks and Hispanics, Department of Health and Human Services demonstration projects for hypertension control (SR) ..... | 84  |
| Navajo Indians, school-based streptococcal disease surveillance program; cost benefit .....                              | *73 |

**FILMS**

|  |     |
|--|-----|
| Dysplastic Nevi and Melanoma: a Program for Clinicians .....   | 179 |
| Dysplastic Nevi and Melanoma: a Program for Pathologists .....   | 179 |
| Film/Screen Mammography: Physics and Quality Assurance [pt. 7 of slide-tape series, Radiation Protection During X-ray Examination] ..... | 389 |
| Health Care Co\$t Containment .....  | 91  |
| Jennifer: a Revealing Story About Genital Herpes..   | 494 |
| Prevention of Malignant Melanoma: a Program for Melanoma Families .....  | 179 |
| Rape: Caring for the Adult Female Victim .....   | 391 |
| The New Nurse: a Career for All Reasons .....  | 86  |
| The Palpable Osler [life of Sir William Osler] ....  | 179 |

**FOODBORNE ILLNESS**

|   |      |
|---|------|
| outbreak in Illinois nursing home linked to excessive niacin in enriched cornmeal ..... | *258 |
|---|------|

**FOOD LABELING**

|   |     |
|---|-----|
| new rules proposed by Food and Drug Administration (SR) ..... | 385 |
|---|-----|

**FOSTER GRANDPARENTS**

|  |      |
|--|------|
| observable effects on hospitalized children; an evaluation ..... | *550 |
|--|------|

## FOREIGN HEALTH ASSISTANCE

- Public Health Service and Kuwait sign cooperative agreements for technical assistance on reimbursable basis (SR) ..... 590

GRANTS *see* Awards, Contracts, Grants

## HEALTH BEHAVIOR

- health habits and views of personal health affected by people's education (SR) ..... 88
- mother-initiated medication behavior for children; effects of sociodemographic and attitudinal factors ..... \*140
- of consumers in determining whether to use a rural health clinic ..... \*261

## HEALTH DEPARTMENTS

- city of Milwaukee, use of telephone survey data from randomly selected population to evaluate Health Hazard Appraisal ..... \*31
- Maryland, survey of care for hypertensive patients in community hospitals ..... \*521
- State health department laboratories provide data for surveillance of infectious mononucleosis cases.. \*579

## HEALTH EDUCATION

- see also* Health Promotion-Disease Prevention
- Center for Health Promotion and Education, Centers for Disease Control, seeks to share health education resources (SR) ..... 287
- data-based planning for educational interventions through hypertension control programs for urban and rural populations in Maryland ..... \*107
- Department of Health and Human Services Secretary outlines plans for Reye's syndrome awareness campaign (SR) ..... 593
- hypertension information in the mass media; pilot study of health professionals' awareness and opinions of, Richmond, Va. .... \*113
- public service announcements, effect of special packaging on increasing television air plays (SR).. 488
- Surgeon General urges physicians to warn patients of marijuana's harm (SR) ..... 590

## HEALTH FACILITIES

- nursing homes in Florida, determinants of costs; policy implications and support in national research findings ..... \*537
- rural clinics, evaluation of use: knowledge, attitudes, and behaviors of consumers ..... \*261
- rural, nurse practitioner clinics; attitudes and behaviors of primary care physicians in service areas of ..... \*566
- Young Adult Clinic, Columbia-Presbyterian Medical Center; study of importance of age, sex, and ethnicity of counselors and providers of contraceptive services for teenagers ..... \*165

## HEALTH HAZARD APPRAISAL

- evaluation based on telephone survey data from randomly selected population, Milwaukee Health Department ..... \*31

## HEALTH MANPOWER

- allied, improved procedures for estimating supply and demand (PR) ..... 592
- black and Hispanic personnel in selected health professions, 1980-2000 (PR) ..... 488
- creation of new allied health programs in higher education institutions; considerations and constraints (PR) ..... 86
- current supply and future requirements; Forum on the Public Health Work Force (CR) ..... \*528
- Physician Distribution Incentive Project, School of Public Health, University of Michigan (PR) .... 384
- private practice option for scholarship recipients of National Health Service Corps speeds physician placement in shortage areas (SR) ..... 182
- professionals, forecasting model used by Bureau of Health Professions to project requirements for (PR) ..... 184
- shortage areas designated by Bureau of Health Professions (PR) ..... 388
- report on 1980 status of personnel (SR) ..... 288
- unemployment rates for selected occupations and health services, 1971-81 (SR) ..... 390

## HEALTH, NATIONAL

- 1981 report issued by National Center for Health Statistics and National Center for Health Services Research (PR) ..... 177
- sex differentials in health and explanations for them ..... \*417
- status of U.S. children and use of medical care .... \*3

## HEALTH PLANNING

- for rural health care; experience of the Checkersboard Area Health System in northwest New Mexico ..... \*156
- Israel's national center for health planning—a novel conceptual approach ..... \*251
- new Florida law preserves local planning, reduces regulatory burden (SR) ..... 492

## HEALTH PROMOTION-DISEASE PREVENTION

- see also* name of disease or condition
- current status of preventive medicine in undergraduate medical education ..... \*205
- Department of Health and Human Services Secretary establishes annual competition among health professions students to encourage new ideas (SR) ..... 392
- disease impact; method for combining morbidity, mortality, and direct medical cost into single measure of; Minnesota study, 1978 ..... \*38
- don't teach preventive medicine in medical schools: a contrary view ..... \*220

|  |      |   |      |
|--|------|---|------|
| diabetes, major prevention initiative to begin (SR) . . .  | 382  | targeting progress in the health of Americans . . . . .   | *295 |
| Health Education-Risk Reduction Program; multiplier effect in 28 States and 1 Territory . . . . .  | *510 | Trilateral High Blood Pressure and Control Project aimed at black Americans (SR) . . . . .  | 386  |
| Health Hazard Appraisal, evaluation based on telephone survey data from randomly selected population, Milwaukee Health Department . . . . .                                      | *31  | <b>HEALTH SERVICES</b>  |      |
| health promotion; the physician's role (CR) . . . . .  | 229  | experience of the Checkerboard Area Health System in planning for care in rural northwest New Mexico . . . . .                                  | *156 |
| health protection; the physician's role (CR) . . . . .   | 226  | primary health care, content of episodes of illness for six primary care conditions in adults . . . . .   | *48  |
| Healthy Mothers-Healthy Babies Coalition, a joint private-public initiative . . . . .  | *503 | research grants awarded by National Center for Health Services Research (SR) . . . . .  | 84   |
| hepatitis A control in New Mexico, assessment of immunoglobulin use . . . . .  | *516 | regional perinatal care as a national strategy for improved maternal and infant care . . . . .  | *134 |
| hypertensive patients, patterns of care in Maryland community hospitals . . . . .  | *521 | <b>HEART DISEASE</b> <i>see</i> Coronary Disease  |      |
| index of preventable mortality, National Center for Health Statistics (PR) . . . . .   | 384  | <b>HEPATITIS</b>  |      |
| INSURE project on Lifecycle Preventive Health Services; a study of feasibility of implementing preventive services in primary medical care as health insurance benefit . . . . . | *308 | A, control in New Mexico; assessment of immunoglobulin use . . . . .  | *516 |
| marijuana, physicians urged to warn patients of harm (SR) . . . . .  | 590  | <b>HERPES, GENITAL</b> <i>see</i> Sexually Transmitted Diseases   |      |
| measles, global elimination of . . . . .   | *402 | <b>HOME CARE</b>  |      |
| national strategy for (September-October cover 2)  |      | program for children with chronic disorders, feasibility of a noncategorical approach in evaluating . .   | *354 |
| participation of parents in programs for high-risk or disabled infants (January-February cover 2)  |      | <b>HOSPITALS</b>  |      |
| perspective on educating physicians for prevention: Health-Oriented Physician Education (HOPE) . .   | *199 | <i>see also</i> Emergency Rooms   |      |
| pneumococcal vaccination practices among private physicians . . . . .  | *406 | community, response rates to a mail survey; effects of characteristics of the survey instrument . . . . .                                       | *465 |
| practice by physicians and patients requires changes in health care system and nature of society . . . . .   | *216 | financial planning model used to measure impact of major capital improvement project on debt capacity of Stanford University Hospital . . . . . | *363 |
| prescription for teaching medical students about . . .   | *210 | patient care management systems, medical records, and privacy . . . . .   | *332 |
| prevention and medical practice: the role of undergraduate medical education; report on a national symposium (CR) . . . . .  | 195  | State, improper release of mental patient (LN) . . . .  | 186  |
| prevention as policy . . . . .   | *399 | <b>HYPERTENSION</b>   |      |
| prevention in medical education; clinical content (CR) . . . . .   | 235  | among persons in inner city Detroit; determinants of drug treatment maintenance . . . . .   | *99  |
| prevention in medical education; preclinical content (CR) . . . . .  | 232  | blood pressure lowered through diet management (PR) . . . . .   | 178  |
| prevention in medical education; research and faculty development (CR) . . . . .   | 238  | blood pressure survey in Nuevo Laredo, Mexico; hypertension prevalence rates compared to rates for U.S. whites . . . . .                        | *116 |
| Prevention Intervention Research Centers funded by National Institute of Mental Health (SR) . . . .  | 491  | control, achievements and challenges (March-April cover 2)  |      |
| preventive health services; the physician's role (CR) . . . . .  | 224  | control, Department of Health and Human Services demonstration projects focus on blacks and Hispanics (SR) . . . . .                            | 84   |
| promoting healthful behavior among pregnant women (November-December cover 2)  |      | control programs for urban and rural populations in Maryland; data-based planning for educational interventions . . . . .                       | *107 |
| role of undergraduate medical education in; summary of national symposium and discussion of future directions . . . . .  | *241 | employee high blood pressure program of the National Institutes of Health . . . . .   | *122 |
| sex differentials in health and explanations for them . . . . .  | *417 | information in the mass media, impact on health professionals; pilot study in Richmond, Va. . . . .   | *113 |
| sexually transmitted diseases: meeting the 1990 objectives—challenge for the 1980s . . . . .   | *409 | patterns of care for patients in Maryland community hospitals . . . . .   | *521 |
| strategies in the Department of Health and Human Services . . . . .  | *196 |   |      |

|  |      |   |      |
|--|------|---|------|
| Trilateral High Blood Pressure and Control Project aimed at black Americans (SR) . . . . .   | 386  | LEGAL NOTES   |      |
|  |      | improper release of mental patient from State hospital . . . . .  | 186  |
| INFANTS <i>see</i> Child Health and Welfare; Maternal and Infant Health  |      | LEPROSY   |      |
|  |      | two antigens isolated at Colorado State University (SR) . . . . .   | 591  |
| INFLUENZA  |      | LETTERS TO THE EDITOR   |      |
| B, outbreak at Indiana boarding school; estimate of vaccine efficacy . . . . .   | *269 | comments on "Animal Companions and One-Year Survival of Patients After Discharge" [July-August 1980] and authors' reply . . . . .                           | 380  |
| study of epidemic of 1978 on a college campus; infectious disease in a total institution, Pennsylvania . . . . .   | *66  | LYME DISEASE  |      |
| INFORMATION SYSTEMS  |      | spirochete isolated from ticks may be causative organism; Rocky Mountain Laboratories, National Institute of Allergy and Infectious Diseases (SR) . . . . . | 489  |
| hospital; medical records and patients' right to privacy . . . . .   | *332 | MAMMOGRAPHY   |      |
| Ohio Cancer Information Service, a toll-free telephone system; callers, inquiries, and responses . . . .   | *150 | training package available for radiological technologists (FA) . . . . .  | 389  |
| INSURANCE, HEALTH  |      | MATERNAL AND INFANT HEALTH  |      |
| and tax expenditures; limiting employer-paid premiums . . . . .  | *438 | echovirus 11 infections of newborns with mortality during 1979 enterovirus season in Milwaukee, Wis. . . . .  | *346 |
| for the medically needy, evaluation of a model health plan (Project Health); Multnomah County, Oregon . . . . .  | *244 | first birth rates rise most in age group 30-34 years (SR) . . . . .   | 490  |
| INSURE project on Lifecycle Preventive Health Services; feasibility study of implementing preventive services in primary care as an insurance benefit . . . . .  | *308 | Healthy Mothers-Healthy Babies Coalition, a joint private-public initiative . . . . .   | *503 |
| INTERNATIONAL HEALTH   |      | promise of regional perinatal care as a national strategy for optimal provision of services . . . . .   | *134 |
| global elimination of measles . . . . .  | *402 | promoting healthful behavior among pregnant women (November-December cover 2)   |      |
| ISRAEL   |      | services for and needs of pregnant teenagers in large U.S. cities, 1979-80 . . . . .  | *583 |
| national center for public health—a novel conceptual approach . . . . .  | *251 | trends in low birth weight infants and effect of changes in characteristics of Baltimore's child-bearing population, 1972-77 . . . . .                      | *273 |
| KUWAIT   |      | MEASLES   |      |
| and Public Health Service sign cooperative agreements for technical assistance on reimbursable basis (SR) . . . . .  | 590  | global elimination of . . . . .   | *402 |
| LABORATORIES, DIAGNOSTIC   |      | MEDICAL CARE  |      |
| of State health departments provide data for surveillance of infectious mononucleosis cases . . . .  | *579 | for high-risk teenagers and young adults; Robert Wood Johnson Foundation grants awarded to consolidate and target medical services (SR) . . . .             | 387  |
| proficiency in analysis of blood specimens of employees affected by workplace exposure to lead; Occupational Safety and Health Administration criteria . . . . . | *175 | 1980 use and expenditure survey; preliminary data (SR) . . . . .  | 285  |
| two leprosy antigens isolated at Colorado State University (SR) . . . . .  | 591  | use in relation to health status of U.S. children . . . .   | *3   |
| LAWS AND REGULATIONS   |      | MEDICAL EDUCATION   |      |
| government regulation of providers of day care for preschoolers; attitudes of mothers toward . . . . .   | *572 | <i>see also</i> Health Manpower   |      |
| new Florida health planning law preserves local planning, reduces regulatory burden (SR) . . . . .   | 492  | a contrary view about teaching preventive medicine . .  | *220 |
| new food labeling rules proposed by Food and Drug Administration (SR) . . . . .  | 385  | current status of preventive medicine instruction for undergraduates . . . . .  | *205 |
|  |      | epidemiology training offered by Public Health Service (SR) . . . . .   | 392  |
|  |      | prescription for teaching medical students about disease prevention and health promotion . . . . .  | *210 |

|   |      |   |      |
|---|------|---|------|
| prevention in; clinical content (CR) . . . . .  | 235  | National League for Nursing offers videotape on<br>new nurse careers (FA) . . . . .   | 86   |
| prevention in; preclinical content (CR) . . . . .   | 232  | nurse practitioner clinics; attitudes and behaviors<br>of primary care physicians in service areas of . . . . .                         | *566 |
| prevention in; research and faculty development<br>(CR) . . . . .   | 238  | school, Illinois training program to help detect<br>spinal abnormalities in adolescent students (SR) . . . . .                          | 595  |
| proposal for Health-Oriented Physician Education<br>(HOPE) curriculum . . . . .   | *199 | U.S. registered, characteristics and status as of No-<br>vember 1980 (PR) . . . . .   | 493  |
| Rural Family Practice Clerkship offered at College<br>of Human Medicine, Michigan State University . . . . .                | *373 | U.S. supply projected to rise to 1.7 million in year<br>2000 (PR) . . . . .   | 185  |
| <b>MEDICALLY NEEDY</b>  |      | <b>NURSING HOMES</b> <i>see</i> Health Facilities   |      |
| evaluation of a model health plan (Project Health)<br>for, Multnomah County, Oregon . . . . .                               | *244 | <b>NUTRITION</b>  |      |
| <b>MENINGITIS</b>   |      | defined diets and childhood hyperactivity require<br>further research (SR) . . . . .  | 283  |
| group B vaccine shows promise (SR) . . . . .  | 287  | Second National Health and Nutrition Examination<br>Survey, 1976-80; plan and operation of (PR) . . . . .                               | 490  |
| <b>MENTAL HEALTH</b>  |      | services for handicapped children . . . . .   | *483 |
| aggressive behavior of children linked to television<br>violence (PR) . . . . .   | 492  | <b>OCCUPATIONAL HEALTH</b>  |      |
| geriatric; National Institute of Mental Health gives<br>awards to medical or nursing schools for research<br>(SR) . . . . . | 594  | compliance-assistance programs for protecting<br>workers' health (PR) . . . . .   | 89   |
| intensive therapy returns most chronic mental pa-<br>tients to community life (PR) . . . . .                                | 383  | high blood pressure program for employees, Na-<br>tional Institutes of Health . . . . .   | *122 |
| patient improperly released from State hospital<br>(LN) . . . . .   | 186  | occupational injuries and illnesses, results of 1980<br>survey (SR) . . . . .   | 185  |
| Prevention Intervention Research Centers funded<br>by National Institute of Mental Health (SR) . . . . .                    | 491  | Q fever among veterinarians and abattoir workers;<br>decreasing prevalence in Illinois . . . . .  | *170 |
| winter depression can be lifted by bright artificial<br>light (SR) . . . . .  | 595  | Q fever as an occupational illness at National In-<br>stitutes of Health . . . . .  | *58  |
| <b>MEXICO</b>   |      | safety and industrial hygiene instructional materials<br>available from Occupational Safety and Health<br>Administration (SR) . . . . . | 284  |
| and the United States sign alcohol research pact<br>(SR) . . . . .  | 387  | workers exposed to inorganic lead; OSHA criteria<br>for laboratory proficiency in blood lead analysis . . . . .                         | *175 |
| blood pressure survey in Nuevo Laredo; hyper-<br>tension prevalence rates compared to rates for<br>U.S. whites . . . . .    | *116 | <b>OSLER, SIR WILLIAM</b>   |      |
| <b>MONONUCLEOSIS, INFECTIOUS</b>  |      | videocassette on life of; National Library of Medi-<br>cine (FA) . . . . .  | 179  |
| surveillance of cases by use of existing data from<br>State health department laboratories . . . . .                        | *579 | <b>PATIENTS' PRIVACY RIGHTS</b>   |      |
| <b>MORBIDITY</b>  |      | need for restrictions on disclosure of personal infor-<br>mation from hospital medical records . . . . .                                | *332 |
| <i>see also</i> Vital Statistics  |      | <b>PERINATAL CARE</b> <i>see</i> Maternal and Infant<br>Health  |      |
| developmental, in infants in multi-risk-factor<br>families; clinical perspectives . . . . .                                 | *16  | <b>PHYSICIANS</b>   |      |
| occupational injuries and illnesses, results of 1980<br>survey (SR) . . . . .   | 185  | <i>see also</i> Medical Education   |      |
| <b>MORTALITY</b> <i>see</i> Vital Statistics  |      | primary care physicians in service areas of nurse<br>practitioner clinics; attitudes and behaviors . . . . .                            | *566 |
| <b>MYCOBACTERIUM AVIUM COMPLEX</b> <i>see</i><br>Pulmonary Diseases   |      | require encouragement to practice preventive medi-<br>cine and health promotion . . . . .   | *216 |
| <b>NIACIN</b>   |      | role in health promotion (CR) . . . . .   | 229  |
| excessive amount in enriched cornmeal linked to<br>outbreak of foodborne illness in Illinois nursing<br>home . . . . .      | *258 | role in health protection (CR) . . . . .  | 226  |
| <b>NURSES</b>   |      | role in preventive health services (CR) . . . . .   | 224  |
| lag between wages and number of graduates (PR) . . . . .  | 92   | use of Cooperative Health Statistics System physi-<br>cian data in manpower needs assessment in rural<br>Colorado . . . . .             | *78  |

|   |      |  |  |
|---|------|--|--|
| PNEUMOCOCCAL DISEASE  |      |  |  |
| vaccination practices among private physicians . . . .  | *406 |  |  |
| PREVENTION <i>see</i> Health Promotion-Disease Prevention   |      |  |  |
| PUBLICATION REVIEWS   |      |  |  |
| Administratively Required Dental Radiographs . . . .  | 93   |  |  |
| Annual Report on Shortage Area Designation Activities . . . . .   | 388  |  |  |
| cost of illness studies (14 volumes) . . . . .  | 184  |  |  |
| Creating New Allied Health Programs: Considerations and Constraints . . . . .   | 86   |  |  |
| Dental Caries Prevention in Public Health Programs [proceedings of a symposium] . . . . .                                 | 90   |  |  |
| Development of Procedures for Generating Alternative Allied Health Manpower Requirements and Supply Estimates . . . . .   | 592  |  |  |
| Diabetes in the 1980's: Challenges for the Future [fourth annual report] . . . . .  | 486  |  |  |
| Estimates and Projections of Black and Hispanic Personnel in Selected Health Professions, 1980-2000 . . . . .             | 488  |  |  |
| Family Structure, Stressors, and Use of Psychotropic Drugs . . . . .  | 184  |  |  |
| Health Care Financing Review, September 1982 [estimated health care expenditures in 1981] . . . .                         | 591  |  |  |
| Health, United States, 1981 . . . . .   | 177  |  |  |
| Height and Weight of Adult Ages 18-74 Years by Socioeconomic and Geographic Variables, United States . . . . .            | 493  |  |  |
| Incidence and Mortality Data [cancer]: 1973-1977 . .  | 283  |  |  |
| Monthly Vital Statistics Report, Annual Summary, 1980 . . . . .   | 87   |  |  |
| National Compendium of Non-Federal Physician Distribution Programs . . . . .  | 384  |  |  |
| Perceived Health Status and Selected Indicators of Access to Care Among the Minority Aged . . . .                         | 178  |  |  |
| Performance Evaluation of RF Electric and Magnetic Field Measuring Instruments . . . . .                                  | 487  |  |  |
| Plan and Operation of the Second National Health and Nutrition Examination Survey, 1976-80 . . . .                        | 490  |  |  |
| Procedures to Minimize Diagnostic X-ray Exposure . .  | 93   |  |  |
| Protecting Workers' Health: Federal, State and Local Compliance-Assistance Programs, January 1981 . . . . .               | 89   |  |  |
| Review of Literature on Herbicides, Including Penoxo Herbicides and Associated Dioxins . . . . .                          | 179  |  |  |
| Source Book—Nursing Personnel . . . . .   | 185  |  |  |
| Sourcebook of Educational Materials for Dental Radiology . . . . .  | 487  |  |  |
| Summary. Corporate Attitudes Toward Health Care Costs . . . . .   | 92   |  |  |
| Tailoring Alcoholism Therapy to Client Needs . . . .  | 592  |  |  |
| Television and Behavior: Ten Years of Scientific Progress and Implications . . . . .                                      | 492  |  |  |
| The Health Professions Requirements Model: Structure and Application . . . . .  | 184  |  |  |
| The Prevalence of Dental Caries in United States Children 1979-1980 . . . . .   | 384  |  |  |
| The Recurrent Shortage of Registered Nurses: a New Look at the Issues . . . . .   | 92   |  |  |
| The Registered Nurse Population, an Overview From National Sample Survey of Registered Nurses, November 1980 . . . . .    | 493  |  |  |
| The Working Group Report on Critical Patient Behaviors in the Dietary Management of High Blood Pressure . . . . .         | 178  |  |  |
| Toward an Index of Preventable Mortality . . . . .  | 384  |  |  |
| Treating and Assessing the Chronically Mentally Ill . . . . .   | 383  |  |  |
| PUBLIC HEALTH REPORTS   |      |  |  |
| back issues available . . . . .   | 289  |  |  |
| bookshelf discontinued . . . . .  | 390  |  |  |
| PUBLIC SERVICE ANNOUNCEMENTS  |      |  |  |
| effect of special packaging on increasing television air plays (SR) . . . . .   | 488  |  |  |
| PULMONARY DISEASE   |      |  |  |
| increase in <i>Mycobacterium avium</i> complex isolations among patients in general hospital, southern Illinois . . . . . | *61  |  |  |
| Q FEVER   |      |  |  |
| as an occupational illness at National Institutes of Health . . . . .   | *58  |  |  |
| decreasing prevalence in Illinois . . . . .   | *170 |  |  |
| RADIOLOGICAL HEALTH   |      |  |  |
| dental radiology sourcebook of educational materials (PR) . . . . .   | 487  |  |  |
| mammography training package for radiological technologists (FA) . . . . .  | 389  |  |  |
| radiofrequency survey instruments, report on performance (PR) . . . . .   | 487  |  |  |
| ways to reduce unnecessary radiation exposure to pregnant women and dental patients (PR) . . . . .                        | 93   |  |  |
| RAPE  |      |  |  |
| caring for adult female victims (FA) . . . . .  | 391  |  |  |
| RURAL HEALTH  |      |  |  |
| clinics, evaluation of use; knowledge, attitudes, and behaviors of consumers . . . . .                                    | *261 |  |  |
| experience of the Checkerboard Area Health System in rural northwest New Mexico . . . . .                                 | *156 |  |  |
| Rural Family Practice Clerkship offered at College of Human Medicine, Michigan State University . .                       | *373 |  |  |
| use of Cooperative Health Statistics System physician data in assessment of small area manpower needs, Colorado . . . . . | *78  |  |  |
| SCHOOL HEALTH   |      |  |  |
| asbestos in Colorado schools . . . . .  | *325 |  |  |
| drug use trends among high-school seniors, results of nationwide survey, 1981 (SR) . . . . .                              | 388  |  |  |
| spinal abnormalities in adolescent students; Illinois training program to help school nurses detect (SR) . . . . .        | 595  |  |  |

|   |      |   |      |
|---|------|---|------|
| streptococcal surveillance program among Navajo school children, cost benefit . . . . .   | *73  | nationwide survey of high-school seniors tracks drug use trends, 1981 (SR) . . . . .  | 388  |
| <b>SEAMEN, MERCHANT</b>   |      | <b>SUICIDE</b>  |      |
| new ways found to provide medical services that were discontinued by Public Health Service (SR) . . . . .   | 88   | mortality in South Carolina, 1970s . . . . .  | *476 |
| <b>SEXUALLY TRANSMITTED DISEASES</b>  |      | <b>SURVEYS</b>  |      |
| genital herpes film arouses wide public interest (FA) . . . . .   | 494  | employment status of post-surgery coronary bypass patients; social, medical, and psychological correlates . . . . .   | *558 |
| meeting the 1990 objectives—a challenge for the 1980s . . . . .   | *409 | mail survey of community hospitals, effects of characteristics of the survey instrument on response rates . . . . .   | *465 |
| <b>SICKLE CELL ANEMIA</b>   |      | National Health Interview Survey, 1977: analysis of data on stroke prevalence . . . . .   | *24  |
| new method devised to view sickled hemoglobin in red cells (SR) . . . . .   | 285  | National Survey of Personal Health Practices and Consequences (SR) . . . . .  | 88   |
| <b>SMOKING</b>  |      | relationship of socioeconomic and geographic factors to height and weight measures of adults; data from National Health and Nutrition Examination Survey (PR) . . . . .           | 493  |
| cancer as a consequence; an overview of a report of the Surgeon General . . . . .   | *318 | second National Health and Nutrition Examination Survey, 1976–80, plan and operation (PR) . . . . .   | 490  |
| high carbon monoxide levels found in U.S. smokers; estimated data from National Health and Nutrition Examination Survey, 1976–80 (SR) . . . . .             | 385  | <b>SYPHILIS</b> <i>see</i> Sexually Transmitted Diseases  |      |
| <b>SOCIOECONOMIC STATUS</b>   |      | <b>TEENAGERS</b>  |      |
| and attitudinal factors; effects on mother-initiated behavior in keeping medications at home in the event their children become ill . . . . .               | *140 | and young adults at high risk; Robert Wood Johnson Foundation grants for projects to consolidate and target medical services (SR) . . . . .                                       | 387  |
| and distribution of mortality rates; Des Moines, Iowa, 1974 . . . . .   | *545 | contraceptive services for; study of importance of age, sex, and ethnicity of counselors and providers at Young Adult Clinic, Columbia-Presbyterian Medical Center . . . . .      | *165 |
| <b>SPINAL ABNORMALITIES</b>   |      | pregnant, services and needs in large U.S. cities, 1979–80 . . . . .  | *583 |
| in adolescent students; Illinois training program to help school nurses detect (SR) . . . . .   | 595  | <b>TICKS</b>  |      |
| <b>STATISTICS</b> <i>see</i> Vital Statistics   |      | <i>Ixodes dammini</i> yields spirochete that may cause Lyme disease; studies at Rocky Mountain Laboratories, National Institute of Allergy and Infectious Diseases (SR) . . . . . | 489  |
| <b>STREPTOCOCCAL DISEASE</b>  |      | <b>TRAUMA</b>   |      |
| factors affecting streptococcal colonization among children in selected areas of Alaska . . . . .   | *460 | relationship between Revised Estimated Survival Probability Index of Trauma Severity and increasing mortality . . . . .   | *452 |
| school-based surveillance program among Navajo Indians, cost benefit . . . . .  | *73  | <b>TUBERCULOSIS</b>   |      |
| <b>STRESS</b>   |      | 3-year project to help eliminate, American Lung Association and Public Health Service (SR) . . . . .  | 486  |
| and family structure related to use of psychotropic drugs (PR) . . . . .  | 184  | status of control in New York City . . . . .  | *127 |
| <b>STROKE</b>   |      | <b>UNDERSERVED AREAS</b>  |      |
| prevalence: an analysis of data from the 1977 National Health Interview Survey . . . . .  | *24  | loan guarantees offered for primary care satellites, Robert Wood Johnson Foundation (SR) . . . . .  | 85   |
| <b>SUBSTANCE ABUSE</b>  |      | physician placement speeded by private practice option for scholarship recipients of National Health Service Corps (SR) . . . . .   | 182  |
| alcohol, campaign to prevent (July-August cover 2) alcoholism, tailoring treatment to client needs (PR) . . . . .   | 592  |   |      |
| alcohol, treatment services under Medicare and Medicaid in nonhospital settings; demonstration project to test feasibility and effectiveness (SR) . . . . . | 182  |   |      |
| alcohol, United States and Mexico sign research pact (SR) . . . . .   | 387  |   |      |
| marijuana, physicians urged to warn patients of harm (SR) . . . . .   | 590  |   |      |

|   |      |   |      |
|---|------|---|------|
| <b>UNEMPLOYMENT RATES</b>   |      |   |      |
| for selected health occupations and health services,<br>1971-81 (SR) .....  | 390  | first birth rates rise most in age group 30-34<br>years (SR) .....  | 490  |
| <b>VACCINATION</b>  |      | index of preventable mortality reported by National<br>Center for Health Statistics (PR) .....  | 384  |
| pneumococcal, practices among private physicians..  | *406 | marriages, divorces, births, and deaths, 1981; pro-<br>visional data from National Center for Health<br>Statistics (SR) .....                 | 391  |
| <b>VACCINES</b>   |      | method for combining morbidity, mortality, and di-<br>rect medical cost into single measure of disease<br>impact, Minnesota study, 1978 ..... | *38  |
| group B meningitis shows promise (SR) .....   | 287  | mortality rates in Des Moines, Iowa, 1974; socio-<br>economic distribution .....  | *545 |
| influenza, estimate of efficacy after outbreak of in-<br>fluenza B at Indiana boarding school .....                               | *269 | Revised Estimated Survival Probability Index of<br>Trauma Severity .....  | *452 |
| <b>VENEREAL DISEASES</b> <i>see</i> Sexually Transmitted<br>Diseases  |      | sex differentials in health and explanations for<br>them .....  | *417 |
| <b>VARICELLA ZOSTER</b>   |      | stroke prevalence: analysis of data from 1977 Na-<br>tional Health Interview Survey .....   | *24  |
| immune globulin (VZIG), update on supply (SR) ..  | 391  | suicide mortality in South Carolina, 1970s .....  | *476 |
| <b>VIOLENCE</b>   |      | trends in low birth weight infants and effect of<br>change in characteristics of Baltimore's child-<br>bearing population, 1972-77 .....      | *273 |
| on television linked to aggressive behavior (PR) . . . .  | 492  | U.S. cancer incidence and mortality, 1973-77<br>(PR) .....  | 283  |
| <b>VIRAL DISEASES</b> <i>see</i> name of disease  |      |   |      |
| <b>VITAL STATISTICS</b>   |      |   |      |
| births, marriages, divorces, and deaths, 1980; pro-<br>visional data from the National Center for<br>Health Statistics (PR) ..... | 87   |   |      |

# AUTHOR INDEX

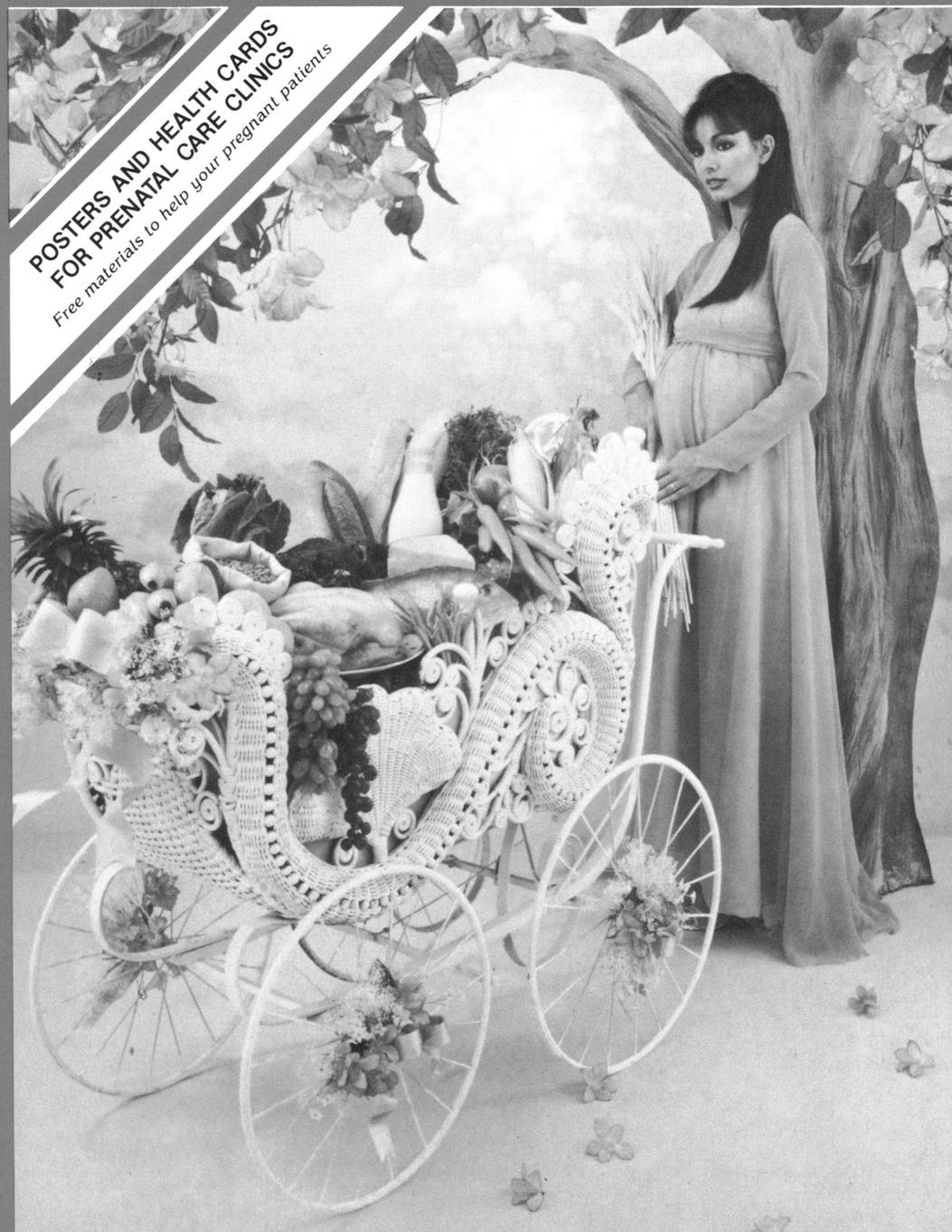
- Alexander, Cheryl S. . . . . \*572  
 Alexander, Greg R. . . . . \*476  
 Altekruise, Joan M. . . . . \*476  
 Andrus, Peter L. . . . . 235  
 Asher, Jules . . . . . 595  
 Azevedo, Daniel . . . . . \*48  
 Baacke, George . . . . . \*73  
 Baldwin, Cynthia A. . . . . \*325  
 Banahan, Benjamin  
   F. III . . . . . \*261, \*566  
 Barriero, Luis Alcocer  
   Diaz . . . . . \*116  
 Bartlett, Paul C. . . . . \*258  
 Baum, Herbert M. . . . . \*24  
 Bayer, Robert A. . . . . \*58  
 Beaulieu, Harry J. . . . . \*325  
 Becker, Marshall H. . . . . \*140  
 Bender, Thomas R. . . . . \*460  
 Bentkover, Judith D. . . . . \*244  
 Berg, Robert L. . . . . \*205  
 Binder, Laurence R. . . . . \*99  
 Bishop, F. Marian . . . . . 232  
 Bone, Lee R. . . . . \*107  
 Brandt, Edward N., Jr.  
   (May-June, July-August,  
   September-October,  
   cover 2) . . . . . \*399  
 Brant, Larry J. . . . . \*460  
 Brant, Nancy  
   Kesselring . . . . . \*150  
 Bratic, Elaine B. . . . . \*503  
 Buchan, Roy M. . . . . \*325  
 Byre, Calvin S. . . . . \*465  
 Caamano, Angel  
   Gonzalez . . . . . \*116  
 Caldwell, Glyn G. . . . . \*579  
 Caldwell, Mariel . . . . . \*483  
 Callen, Kate . . . . . 594  
 Cedres, Lucila . . . . . \*116  
 Christensen, Gregory  
   M. . . . . \*510  
 Conn, Judith M. . . . . \*406  
 Cooper, Richard . . . . . \*116  
 Coulehan, John L. . . . . \*73  
 Crawford, B. L. . . . . 86  
 Cummings, K.  
   Michael . . . . . \*99, \*140  
 Dean, Andrew G. . . . . \*38  
 Demak, Michele M. . . . . \*308  
 DeStefano, Frank . . . . . \*269  
 Divincenzo, Angela . . . . . \*510  
 Dodge, Ross . . . . . \*373  
 Doherty, James . . . . . 183  
 Dominguez, Rafael  
   Chaves . . . . . \*116  
 Donadio, Robert E. . . . . \*175  
 Drachman, Robert H. \*140  
 Dunn, Marvin R. . . . . 229  
 Ehrman, Jan S. . . . . 593  
 Ellencweig, Avi Yacar \*251  
 Faich, Gerald A. . . . . 590  
 Feeley, Frank G. . . . . \*244  
 Ferris, Deam H. . . . . \*170  
 Foege, William H. . . . . \*402  
 Folkenberg, Judy . . . . . 383  
 Francis, Donald P. . . . . \*516  
 Frerichs, Ralph R. . . . . \*470  
 Frey, R. Scott . . . . . \*568  
 Friedmann, Erika . . . . . 381  
 Frommer, Peter L.  
   (March-April, cover 2)  
 Fryer, George E., Jr. . . . . \*78  
 Gibbs, Tyson . . . . . \*476  
 Godley, Alegro J. . . . . \*99  
 Gold, Marsha . . . . . \*48  
 Goldberg, Jack . . . . . \*452  
 Goldtooth, Norma L. . . . . \*73  
 Green, Lawrence W. . . . . \*107  
 Greenspan, Stanley I. . . . . \*16  
 Gunn, Walter J. . . . . \*406  
 Hancock, Richard . . . . . \*244  
 Hanger, Paul N. . . . . \*170  
 Heath, Clark W., Jr. \*579  
 Heath, Dan . . . . . \*363  
 Helsing, James . . . . . 388, 491  
 Hiller, Marc D. . . . . \*332  
 Hinman, Alan R. . . . . \*406  
 Hoffman, Richard E. . . . . \*516  
 Hopkins, David S. P. . . . . \*363  
 Jenkins, C. David . . . . . \*558  
 Jessop, Dorothy Jones \*354  
 Johnson, Hans H. . . . . \*325  
 Johnson, Kenneth G. . . . . \*134  
 Johnston, John . . . . . \*244  
 Jonas, Steve . . . . . \*199  
 Jones, Judith . . . . . \*165  
 Jones, Paul K. . . . . \*445  
 Jones, Susan L. . . . . \*445  
 Kahn, Myrle . . . . . 391  
 Katcher, Aaron  
   Honor . . . . . 381  
 Keeney Markowitz,  
   Ricka . . . . . \*572  
 King, Johanna . . . . . \*550  
 Kirscht, John P. . . . . \*99  
 Koop, C. Everett  
   (January-February,  
   November-December  
   cover 2) . . . . . \*318  
 Kopp, Joseph . . . . . \*61  
 Kovar, Mary Grace . . . . . \*3  
 Kreuter, Marshall W. \*510  
 Landick, Robert . . . . . \*373  
 Lawrence, David . . . . . \*244  
 Lerner, Howard . . . . . 590  
 Levin, Peter J. . . . . \*363  
 Levine, David M. . . . . \*107  
 Levy, Paul S. . . . . \*452, \*465  
 Lewis, Carol . . . . . \*107  
 Lewis, Charles E. . . . . \*210  
 Logsdon, Donald N. . . . . \*308  
 Loveland, Frank C. . . . . \*66  
 Luoto, Joanne . . . . . \*318  
 McGinnis, James  
   Michael . . . . . \*241, \*295  
 McNamara, Dan G. . . . . 224  
 Maiman, Lois A. . . . . \*140  
 Mann, Jonathan . . . . . \*516  
 Marnell, Richard W. . . . . \*460  
 Martin, Russell J. . . . . \*170  
 Massey, Ronnie M. . . . . \*476  
 Matthews, Dale . . . . . \*465  
 Medina, Antonio . . . . . \*583  
 Miller, Adele M.  
   89, 92, 185, 389, \*528  
 Montes, Jean . . . . . \*516  
 Moore, DeWayne . . . . . 380  
 Morisky, Donald E. . . . . \*107  
 Moritsugu, Kenneth . . . . . \*241  
 Morris, J. Glenn, Jr. \*258  
 Morrison, William  
   \*113, 488  
 Morrissey, Richard A. \*170  
 Mullner, Ross M. . . . . \*465  
 Neuhauser, Duncan . . . . . \*220  
 Parra, William C. . . . . \*409  
 Pascal, Chris B. . . . . 187  
 Patriarca, Peter A. . . . . \*406  
 Peterson, Kent W. . . . . 226  
 Philliber, Susan  
   Gustavus . . . . . \*165  
 Piraino, Frank F. . . . . \*346  
 Placek, Paul J. . . . . 183  
 Powell, Kenneth E. . . . . \*61  
 Raab, Karlo . . . . . \*346  
 Reiches, Nancy A. . . . . \*150  
 Reid, Richard A. . . . . \*156  
 Relman, Arnold S. . . . . \*216  
 Roberts, Cecilia M. . . . . \*241  
 Robinowitz, Carolyn  
   B. . . . . 238  
 Rosen, Matthew A. . . . . \*308  
 Rothrock, Janet . . . . . \*452  
 Rouse, Beatrice A. . . . . \*558  
 Russell, R. Patterson. \*521  
 Safer, Martin A. . . . . \*31  
 Satin, Kenneth P. . . . . \*470  
 Schlech, Walter F.,  
   III . . . . . \*406  
 Schnurrenberger,  
   Paul R. . . . . \*170  
 Schreiber, George . . . . . \*113  
 Schurman, Earl W. . . . . \*521  
 Schweiker, Richard S. \*196  
 Sedmak, Gerald . . . . . \*346  
 Seidel, Lee F. . . . . \*332  
 Shankar, Belavadi S. . . . . \*521  
 Sharpe, Thomas R. . . . . \*261,  
   \*566  
 Sloss, Elizabeth M. . . . . \*470  
 Smith, Blake W. H. . . . . \*373  
 Smith, Howard L. . . . . \*156  
 Sobal, Jeff . . . . . \*66  
 Southard, John W. . . . . \*521  
 Spengler, J. . . . . \*258  
 Spindler, James W. . . . . \*61  
 Stanton, Babette A. . . . . \*558  
 Stein, Ruth E. K. . . . . \*354  
 Strobino, Donna M. . . . . \*273  
 Taffel, Selma M. . . . . 183  
 Taylor, Amy K. . . . . \*438  
 Tilson, Hugh . . . . . \*244  
 Traxler, Herbert G. . . . . \*537  
 Vennema, Alje . . . . . \*127  
 Verbrugge, Lois M. . . . . \*417  
 Wallace, Helen M. . . . . \*583  
 Ward, Graham W.  
   (March-April  
   cover 2) . . . . . \*113  
 Ward, William B. . . . . \*107  
 Wasserman, Barbara  
   P. . . . . \*122  
 Weeks, John . . . . . \*583  
 Weir, William M. . . . . \*38  
 Welty, Thomas K. . . . . \*73  
 West, David J. . . . . \*38  
 Wiesenthal, Andrew  
   M. . . . . \*61  
 Wiesner, Paul J. . . . . \*409  
 Wilensky, Gail R. . . . . \*438  
 Wright, John C. . . . . 380  
 Yoder, Lura . . . . . \*445  
 Ziegler, Suzanne . . . . . \*550  
 Zyzanski, Stephen J. . . . . \*558





A N N O U N C I N G

HEALTHY MOTHERS, HEALTHY BABIES



**POSTERS AND HEALTH CARDS  
FOR PRENATAL CARE CLINICS**  
Free materials to help your pregnant patients

If you serve pregnant women of lower socio-economic status, here are new full-color posters and health information cards *especially prepared for your patients*. There is a poster and matching card devoted to each of six subjects: smoking, alcohol, use of medications, nutrition, breast feeding, and the importance of keeping clinic appointments.

*Send today for your free supply*

Just fill out and mail the coupon on the opposite page. We'll see that you receive a new poster and accompanying information cards every other month for the next year. It's an easy, effective way to alert patients to facts they need—and want—to know.

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Public Health Service  
Rm. 814, Reporters Bldg.  
Washington, D.C. 20201

---

POSTAGE AND FEES PAID  
U.S. DEPARTMENT OF HHS  
HHS—396

SECOND CLASS RATE



OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE, \$300

---